Matthew Weihl | Resume

✉ mattdweihl@gmail.com

Skills

Languages: Bash, C++, Java, CSS, HTML, JavaScript, Python, TypeScript
Frameworks: Enzyme/ Jest, JDK, NodeJS, Qt, React, Spring Boot, Webpack
Platforms: Docker, Hadoop, Linux
DevOps: Git, Jenkins, SonarQube

Experience

U.S. News and World Report	**Washington, D.C.**
Software Developer, Travel/ GoToSea	*August 2022 – Present*

Lockheed Martin	**Manassas, Virginia**
Software Engineer, Rotary and Mission Systems	*July 2018 – August 2022*

- Designed and developed display application allowing operators to classify system data according to attributes stored in a database. Led design of messages used for communication between the backend interface and frontend display using a Pub/Sub architecture.
- Implemented a TCP/IP based external interface used for communication between the main system and an external sensor. Praised by integration team for seamless integration of external interface and sensor upon delivery of actual sensor's simulator.
- Designed and developed React web application for analyzing and visualizing acoustic data. Led design of frontend and assisted in the development of REST APIs implemented in Java/ Spring Boot. Worked with Software Lead to promote program adoption of TypeScript.
- Led development team as scrum master. Worked with Product Owner and Program Management to plan feature development and resolve any technical and non-technical roadblocks encountered by the development team.
- Assisted in the migration from Google Search Appliance to Elastic Search. Upgraded backend database infrastructure to support storing data in Elastic Search.

ALSAC/ St Jude Children's Research Hospital	**Memphis, Tennessee**
Intern - Collaboration Team	*May 2017 – April 2018*

- Developed mailroom application to allow users to request supplies for events.
- Developed workflow allowing departments to be emailed feedback from submitted from SharePoint CMS.
- Assisted in execution of migration of SharePoint 2010 to SharePoint 2013.
- Trained interns and employees in SharePoint development.

Education

The University of Memphis	**Memphis, Tennessee**
Bachelor of Science, Computer Science, GPA – 3.11	*August 2014 – May 2018*

Association of Computing Machinery